

**Experiment Number:** 05198-04

**Species/Strain:** Rat/Fischer 344

**P43: Terminal Sacrifice Hematology Data**

**Date Report Requested:** 10/24/2014

**Time Report Requested:** 11:36:13

**First Dose M/F:** NA / NA

**Lab:** NA

**C Number:** C54853C

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Both

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First Dose M/F: NA / NA

Lab: NA

MALE

Treatment Groups	Band Neutrophil Count 1000 per microliter	Eosinophil Count	Hematocrit %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL	Mean Cell Hemoglobin pg
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Day 91

<b>0 ppm</b>	0 ± 0	0 ± 0.1	45.7 ± 3.7	15.2 ± 0.9	5.5 ± 1.5	17.1 ± 0.4
<b>5000 ppm</b>	0 ± 0	0.1 ± 0.1	45.5 ± 1.4	<b>14.2 ± 0.3**</b>	4.7 ± 1	16.7 ± 0.4
<b>10000 ppm</b>	<b>0.1 ± 0.1**</b>	0.1 ± 0.1	<b>25.2 ± 3.5**</b>	<b>7.8 ± 0.8**</b>	<b>13.6 ± 8.9*</b>	<b>21.7 ± 2.7**</b>

\*p < 0.05

\*\*p < 0.01

NOTE: Table is to include results for each time point samples were analyzed. Similar table is to be included for hematology parameters.

The values used in the calculations are the observations taken at the furthest point in the study for each subject (the greatest number of "days on study"). The "day" displayed is the maximum value of "days on study" across all subjects.

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MALE

Treatment Groups	Mean Cell Hemoglobin Concentration g per dL	Mean Corpuscular Volume fL	Methemoglobin Pct Hgb %	Monocyte Count 1000 per uL	Neutrophil Count 1000 per uL	Nucleated Rbc Count 1000 per uL
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Day 91

<b>0 ppm</b>	33.3 ± 1	51.5 ± 0.5	1.1 ± 0.4	0.1 ± 0.1	1.3 ± 0.5	0 ± 0
<b>5000 ppm</b>	<b>31.3 ± 0.7**</b>	<b>53.6 ± 0.7**</b>	1 ± 0.8	0.1 ± 0.1	1.1 ± 0.4	0 ± 0
<b>10000 ppm</b>	<b>31.4 ± 2**</b>	<b>69.1 ± 4.6**</b>	1.4 ± 0.6	0.1 ± 0.2	<b>4.4 ± 1.8**</b>	<b>6.1 ± 6**</b>

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**MALE**

Treatment Groups	Platelet Count 1000 per uL	Red Blood Cell Count million per uL	Reticulocyte Count million per uL	White Blood Cell Count 1000 per uL
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**Day 91**

<b>0 ppm</b>	605.2 ± 52.7	8.9 ± 0.7	0.1 ± 0.1	6.9 ± 1.6
<b>5000 ppm</b>	<b>494.8 ± 46.2**</b>	<b>8.5 ± 0.3*</b>	0.1 ± 0.1	6 ± 1.1
<b>10000 ppm</b>	<b>527.2 ± 84.9*</b>	<b>3.7 ± 0.7**</b>	<b>0.5 ± 0.3**</b>	<b>18.4 ± 10.2**</b>

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FEMALE

Treatment Groups	Eosinophil Count	Hematocrit %	Hemoglobin g per dL	Lymphocyte Count 1000 per uL	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL
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Day 91

0 ppm	0.1 ± 0.1	44.7 ± 1	14.9 ± 0.3	4.6 ± 0.9	18.2 ± 0.3	33.4 ± 0.9
5000 ppm	0 ± 0	43.5 ± 1.6	<b>13.8 ± 0.3**</b>	4.7 ± 0.5	18 ± 0.6	<b>31.6 ± 1.1**</b>
10000 ppm	0 ± 0.1	<b>35 ± 2.3**</b>	<b>10.9 ± 0.7**</b>	<b>9.4 ± 2.1**</b>	<b>23.8 ± 1**</b>	<b>31.2 ± 0.4**</b>

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FEMALE

Treatment Groups	Mean Corpuscular Volume fL	Methemoglobin Pct Hgb %	Monocyte Count 1000 per uL	Neutrophil Count 1000 per uL	Nucleated Rbc Count 1000 per uL	Platelet Count 1000 per uL
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Day 91

0 ppm	54.8 ± 0.8	1 ± 0.4	0 ± 0.1	1.3 ± 0.3	0 ± 0	697.7 ± 24.7
5000 ppm	<b>57.1 ± 0.8**</b>	0.9 ± 0.2	0 ± 0	1.9 ± 0.6	0 ± 0	<b>580.6 ± 29.4**</b>
10000 ppm	<b>76.2 ± 2.9**</b>	<b>1.6 ± 0.5**</b>	0.1 ± 0.1	1.2 ± 0.9	<b>0.8 ± 0.6**</b>	<b>264.1 ± 56.6**</b>

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**FEMALE**

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Treatment Groups	Red Blood Cell Count million per uL	Reticulocyte Count million per uL	White Blood Cell Count 1000 per uL
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**Day 91**

<b>0 ppm</b>	8.2 ± 0.1	0 ± 0.1	6 ± 0.9
<b>5000 ppm</b>	<b>7.6 ± 0.3**</b>	0.1 ± 0.1	6.6 ± 1
<b>10000 ppm</b>	<b>4.6 ± 0.4**</b>	<b>1.1 ± 0.3**</b>	<b>10.8 ± 2.8**</b>

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**\*\* END OF REPORT \*\***

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